FIG. 1

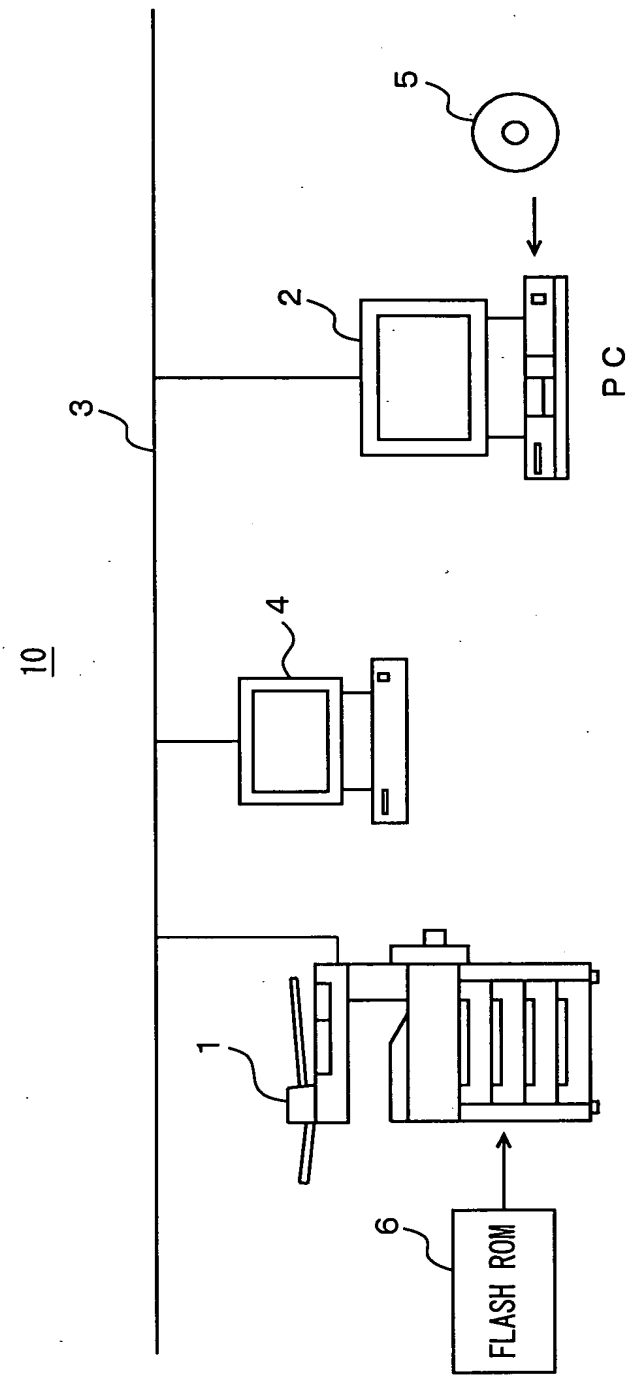


FIG. 2

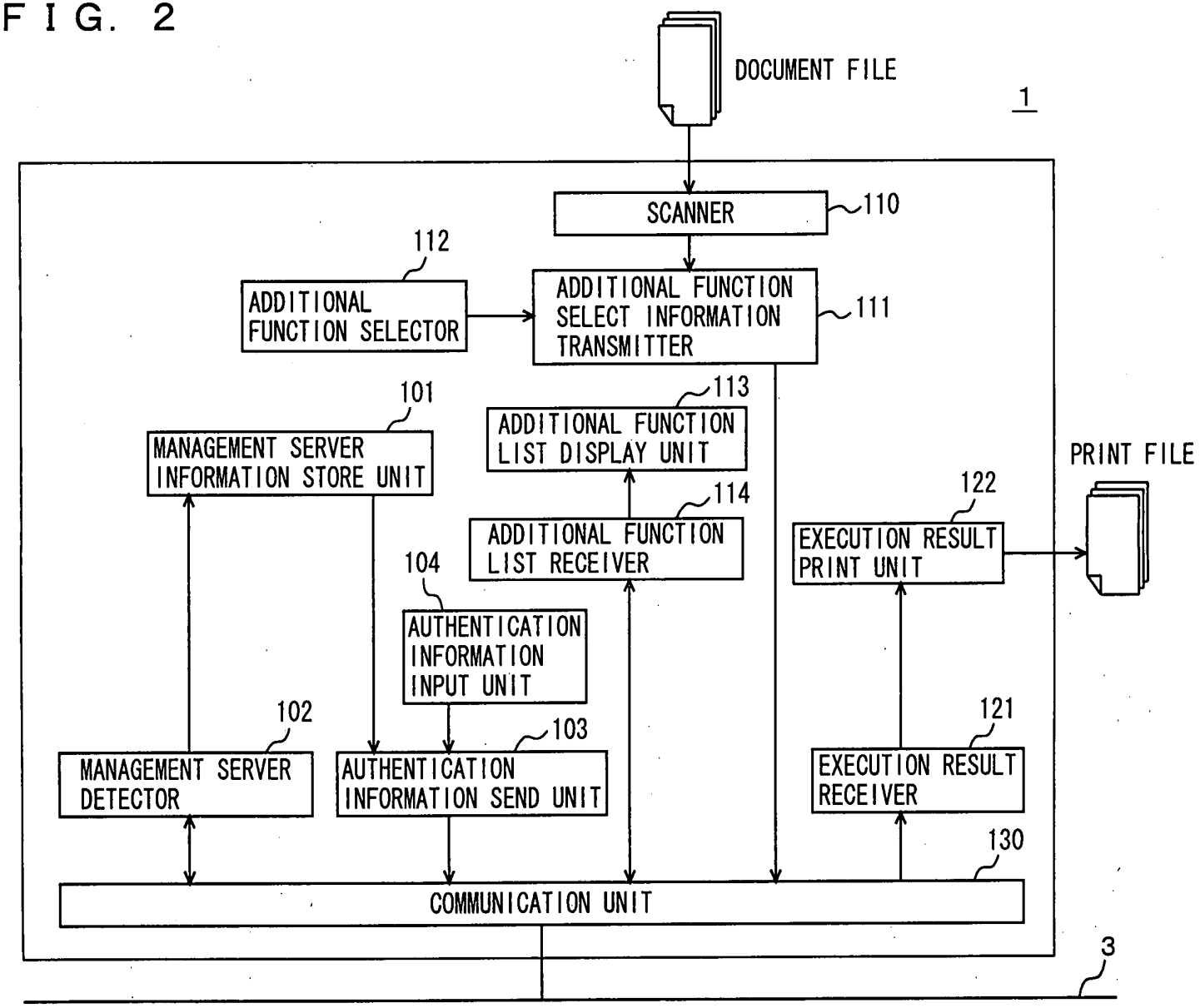

DOCUMENT FILE
1
SCANNER
110
112
ADDITIONAL FUNCTION SELECTOR
ADDITIONAL FUNCTION SELECT INFORMATION TRANSMITTER
111
101
MANAGEMENT SERVER INFORMATION STORE UNIT
113
ADDITIONAL FUNCTION LIST DISPLAY UNIT
114
ADDITIONAL FUNCTION LIST RECEIVER
PRINT FILE
122
EXECUTION RESULT PRINT UNIT
104
AUTHENTICATION INFORMATION INPUT UNIT
102
MANAGEMENT SERVER DETECTOR
103
AUTHENTICATION INFORMATION SEND UNIT
121
EXECUTION RESULT RECEIVER
130
COMMUNICATION UNIT
3

FIG. 3

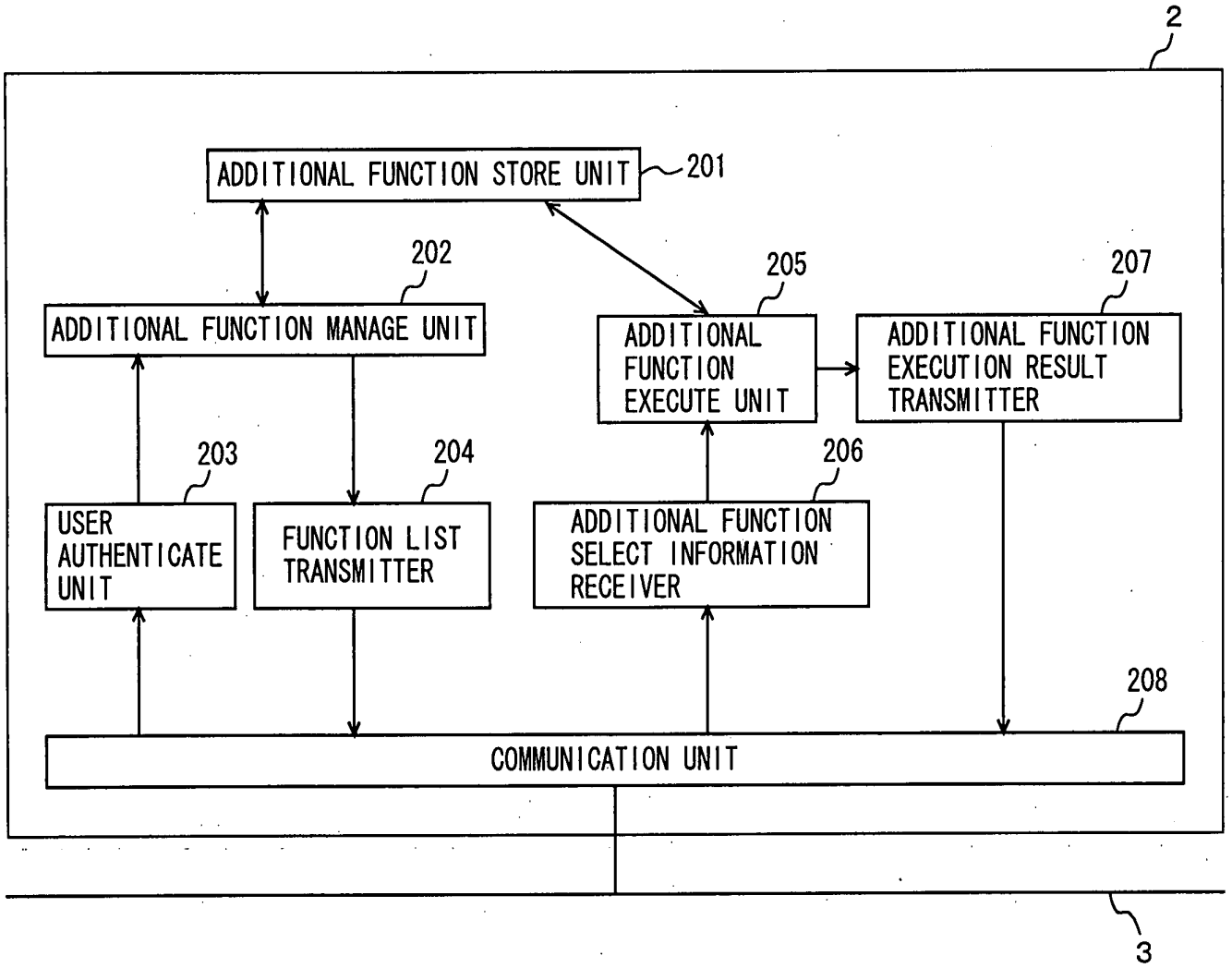

2
ADDITIONAL FUNCTION STORE UNIT
201
202
ADDITIONAL FUNCTION MANAGE UNIT
205
ADDITIONAL FUNCTION EXECUTE UNIT
207
ADDITIONAL FUNCTION EXECUTION RESULT TRANSMITTER
203
USER AUTHENTICATE UNIT
204
FUNCTION LIST TRANSMITTER
206
ADDITIONAL FUNCTION SELECT INFORMATION RECEIVER
208
COMMUNICATION UNIT
3

FIG. 4

ADDITIONAL FUNCTION NUMBER	USER ID	TITLE	APPLICATION PROGRAM	PARAMETER
1	001	TRANSMIT MAIL TO MR. A	E-MAIL PROGRAM	MAIL ADDRESS OF MR. A
2	001	TRANSMIT MAIL TO MR. B	E-MAIL PROGRAM	MAIL ADDRESS OF MR. B
3	001	NOISE ELIMINATION	SMOOTHING PROGRAM	—
4	002	FILE TRANSMISSION TO COMPUTER 4	FILE TRANSFER PROGRAM	INFORMATION OF TRANSMISSION PARTY (IP ADDRESS, DIRECTORY)
5	002	TILT CORRECTION	TILT CORRECTION PROGRAM	—

FIG. 5

ADDITIONAL FUNCTION LIST OF USER 001

ADDITIONAL FUNCTION NUMBER	TITLE
1	TRANSMIT MAIL TO MR. A
2	TRANSMIT MAIL TO MR. B
3	NOISE ELIMINATION

FIG. 6

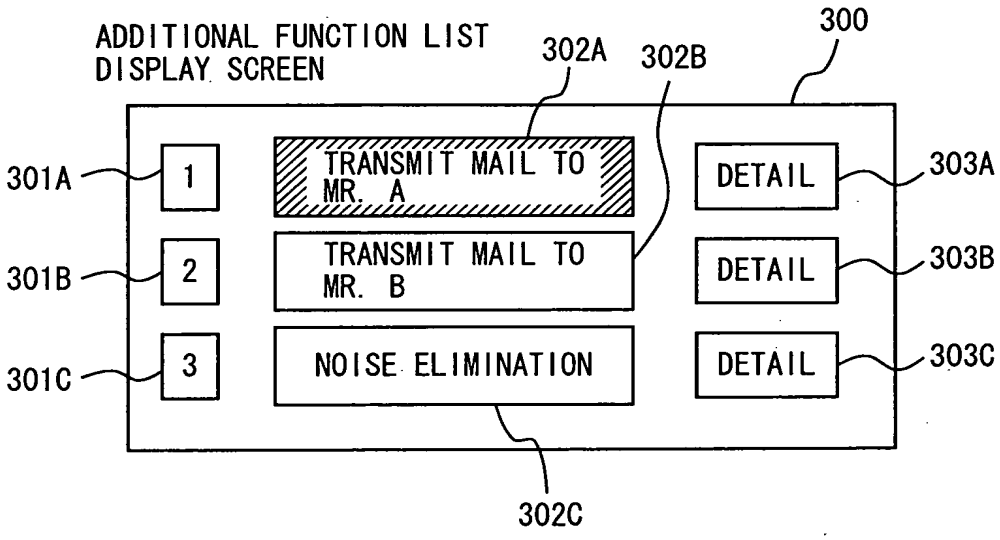


FIG. 7A

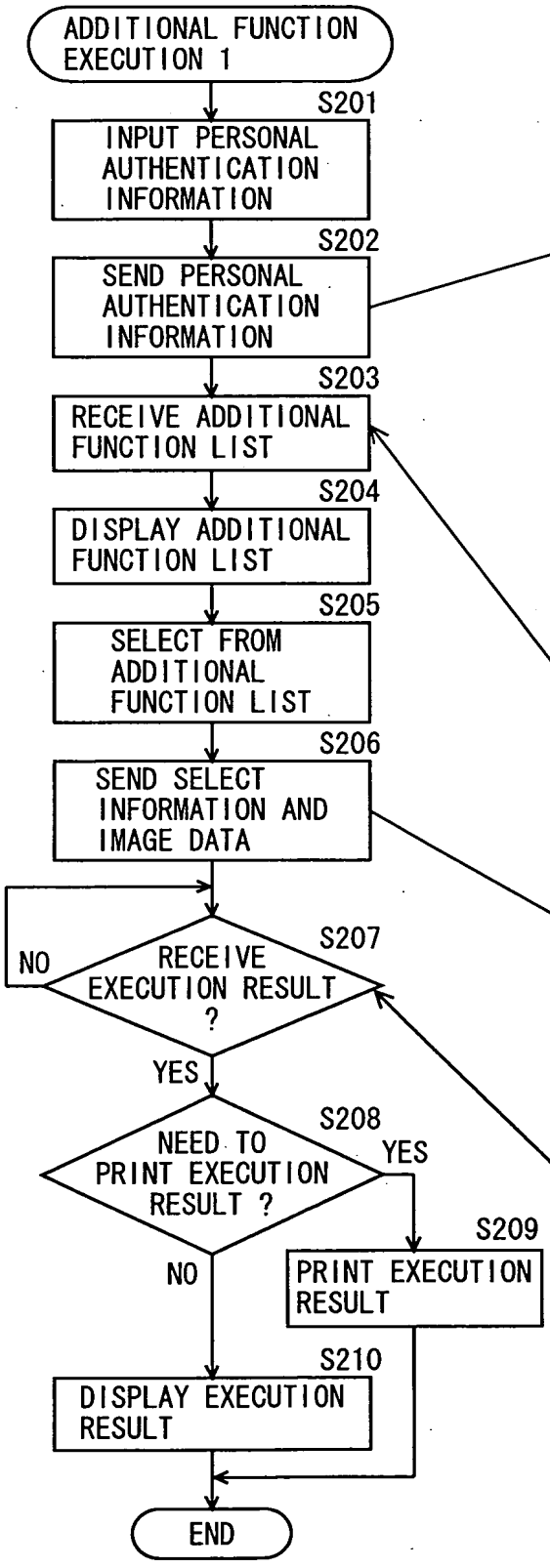

ADDITIONAL FUNCTION EXECUTION 1
S201
INPUT PERSONAL AUTHENTICATION INFORMATION
S202
SEND PERSONAL AUTHENTICATION INFORMATION
S203
RECEIVE ADDITIONAL FUNCTION LIST
S204
DISPLAY ADDITIONAL FUNCTION LIST
S205
SELECT FROM ADDITIONAL FUNCTION LIST
S206
SEND SELECT INFORMATION AND IMAGE DATA
S207
RECEIVE EXECUTION RESULT ?
NO
YES
S208
NEED TO PRINT EXECUTION RESULT ?
YES
NO
S209
PRINT EXECUTION RESULT
S210
DISPLAY EXECUTION RESULT
END

FIG. 7B

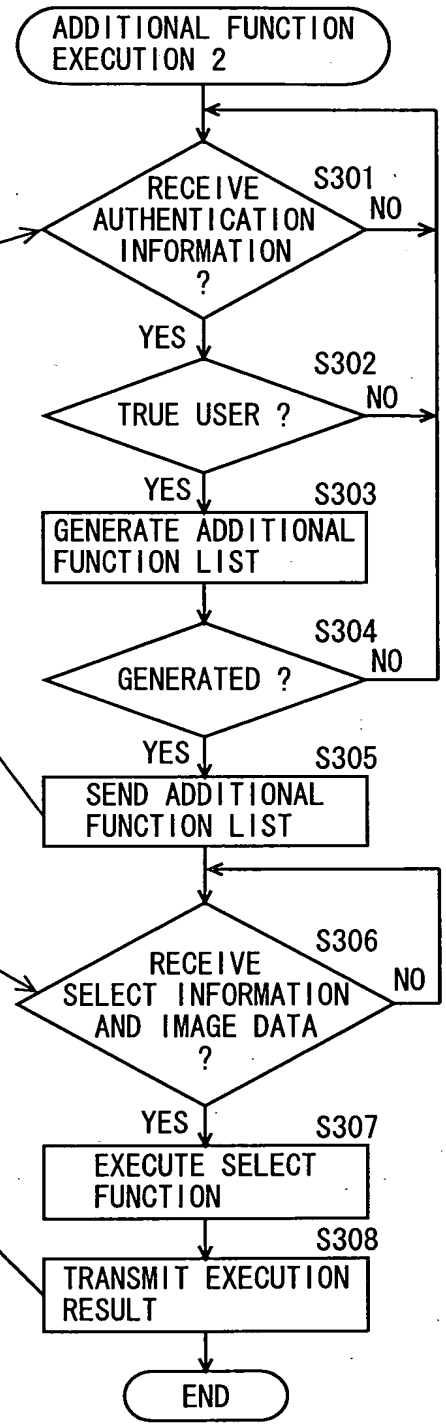

ADDITIONAL FUNCTION EXECUTION 2
S301
RECEIVE AUTHENTICATION INFORMATION ?
NO
YES
S302
TRUE USER ?
NO
YES
S303
GENERATE ADDITIONAL FUNCTION LIST
S304
GENERATED ?
NO
YES
S305
SEND ADDITIONAL FUNCTION LIST
S306
RECEIVE SELECT INFORMATION AND IMAGE DATA ?
NO
YES
S307
EXECUTE SELECT FUNCTION
S308
TRANSMIT EXECUTION RESULT
END

FIG. 8A

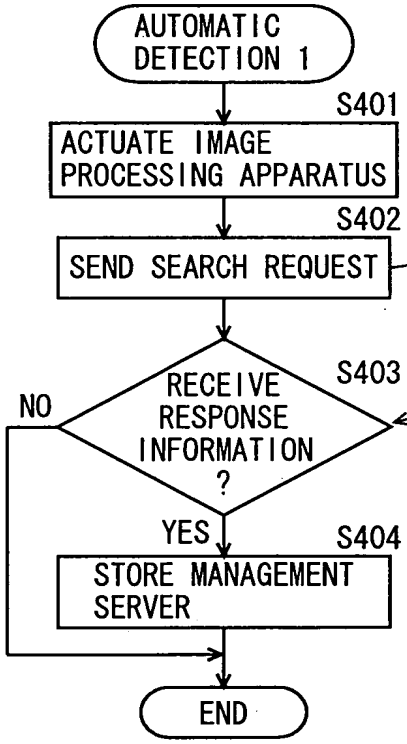
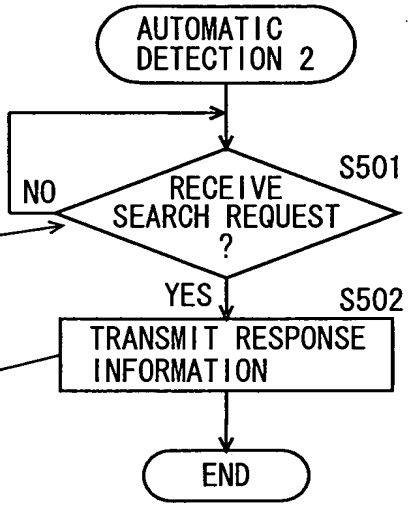

AUTOMATIC DETECTION 1
S401
ACTUATE IMAGE PROCESSING APPARATUS
S402
SEND SEARCH REQUEST
S403
RECEIVE RESPONSE INFORMATION ?
NO
YES
S404
STORE MANAGEMENT SERVER
END

FIG. 8B


AUTOMATIC DETECTION 2
S501
RECEIVE SEARCH REQUEST ?
NO
YES
S502
TRANSMIT RESPONSE INFORMATION
END